

Title (en)

Polynucleotide molecules encoding neospora proteins

Title (de)

Für Neosporaproteine kodierende Polynukleinsäuren

Title (fr)

Acides nucléiques codant pour des protéines de Neospora

Publication

**EP 1221486 A3 20021023 (EN)**

Application

**EP 02002960 A 19990309**

Priority

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- US 7938998 P 19980326
- US 11228298 P 19981215

Abstract (en)

[origin: EP1221486A2] The present invention provides isolated polynucleotide molecules comprising nucleotide sequences encoding GRA1, GRA2, SAG1, MIC1 and MAG1 proteins from Neospora caninum, as well as recombinant vectors, transformed host cells, and recombinantly-expressed proteins. The present invention further provides a polynucleotide molecule comprising the nucleotide sequence of the bidirectional GRA1/MAG1 promoter of N. caninum. The present invention further provides genetic constructs based on the polynucleotide molecules of the present invention that are useful in preparing modified strains of Neospora cells for use in vaccines against neosporosis.

IPC 1-7

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CPC (source: EP US)

**C07K 14/44** (2013.01 - EP); **A61K 38/00** (2013.01 - EP); **A61K 39/00** (2013.01 - EP US)

Citation (search report)

[XA] BÜLOW R. & BOOTHROYD J.C.: "Protection of mice from fatal Toxoplasma gondii infection by immunization with p30 antigen in liposomes", J. IMMUNOL., vol. 147, 1991, pages 3496 - 3500, XP002198881, ISSN: 0166-6851

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